

NEW CLOSED-ENTRY TEST JACK MEETS REQUIREMENTS OF MS 16108 REV F

ELECTRONIC MOLDING CORPORATION • 40 CHURCH STREET, PAWTUCKET, R.I.

HIGH RELIABILITY FEATURES:

DESIGN AND QUALITY FEATURES

- Rugged Molded Construction assures high reliability
- A wide range of colors for coding
- High temperature Diallyl Phthalate (500°F)
- Closed entry feature guards against damaging contact with oversize test probe
- Short test jack NO. 4274 allows minimum space requirements
- Good resistance to shock and vibration
- Hour Glass type spring contact maintains a low millivolt drop after repeated insertions and withdrawals
- High temperature insulation allows long creepage path at solder terminal end of jack
- High temperature rigid insulation will not soften & flow at soldering temperature

CLOSED-ENTRY
CONTACT DESIGN
PREVENTS PROBE
DAMAGE

4 POINT HOUR GLASS CONTACT

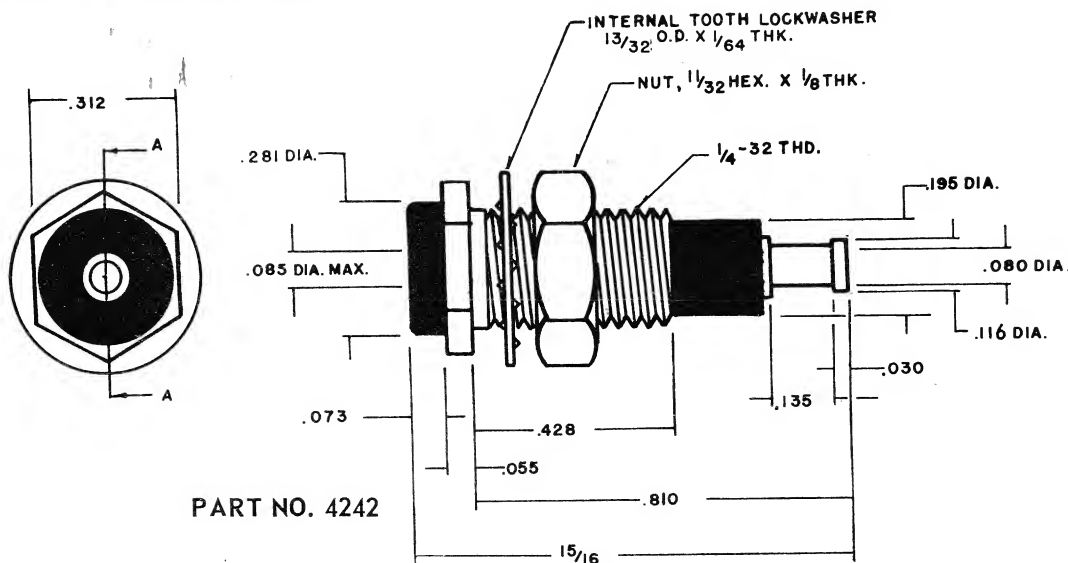
LONG CREEPAGE PATH

SEC. AA

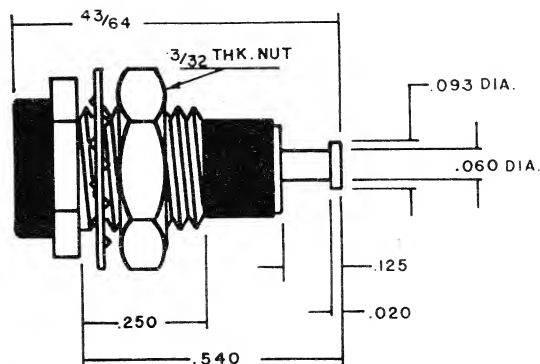
INSULATION WILL NOT SOFTEN
WHILE SOLDERING

PATENT PENDING

PHYSICAL SPECIFICATIONS



PART NO. 4242

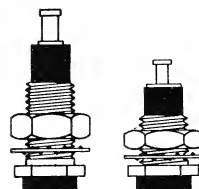


PART NO. 4274

ALL OTHER DIMENSIONS SAME AS PART 4242

MOUNTING PANEL 1/8" THK MAX.

TOLERANCES UNLESS OTHERWISE SPECIFIED
DECIMALS $\pm .010$ FRACTIONS $\pm 1/64$



ACTUAL SIZE

SEE OUR SPECIFICATIONS IN
VSMF
THE MICROFILM CATALOG FILE



ELECTRONIC MOLDING CORPORATION

40 Church Street

Pawtucket, Rhode Island

Area Code (401) 726-2100

SPECIFICATIONS AND MATERIALS

INSULATION — High temperature glass filled diallyl phthalate per MIL-M-14F type SDG self-extinguishing

TERMINAL — Brass per QQ-B-626, (see table for plating)

SPRING CONTACT — Beryllium copper per QQ-C-533 heat treated, (see table for plating)

THREADED SLEEVE — Brass per QQ-B-626, nickel plated per QQ-N-290

LOCKWASHER — Phosphor bronze, nickel plated per QQ-N-290

NUT — Brass per QQ-B-626, nickel plated per QQ-N-290

ELECTRICAL CHARACTERISTICS

Dielectric withstanding voltage 3000 volts RMS

Meets all requirements of MS16108 rev. F

Current rating — 5 amps

MS 16108 REV F CROSS REF

MILITARY STANDARD NUMBER	E M C NUMBER
MS 16108-1A	4242-86-9
MS 16108-2A	4242-86-2
MS 16108-3A	4242-86-0
MS 16108-4A	4242-86-1
MS 16108-5A	4242-86-5
MS 16108-6A	4242-86-3
MS 16108-7A	4242-86-6
MS 16108-8A	4242-86-4
MS 16108-9A	4242-86-8
MS 16108-10A	4242-86-7

COLOR CODE CHART

COLOR	CODE NUMBER	FED-STD. 592 NO.
WHITE	-9	17875
RED	-2	11105
BLACK	-0	17038
BROWN	-1	10075
GREEN	-5	14110
ORANGE	-3	12246
MARINE BLUE	-6	15123
YELLOW	-4	13655
GRAY	-8	16187
PURPLE	-7	27144

PLATING TABLE

SUFFIX CODE	PLATING		USE
	SPRING CONTACT	TERMINAL	
-86	Gold Plated Per MIL-G-45204 Type II, Class I (.000050 Gold over Copper Flash)	Gold Plated Per MIL-G-45204 Type II Class I (.000050 Gold over Copper Flash)	MILITARY MS-16108 REV. F
-85	Gold Plated .000030 Gold over Copper Flash	Electro Tin Plated Per MIL-T-10727 Type I	COMMERCIAL

ORDERING INFORMATION

EXAMPLES

4242-86-2 = STANDARD MS 16108 TURRET TYPE JACK
WITH GOLD PLATING PER MIL-G-45204
TYPE II, CLASS I AND RED COLORED INSULATION

BASIC PART NO. — 4242
PLATING CODE — 86
COLOR CODE — 2

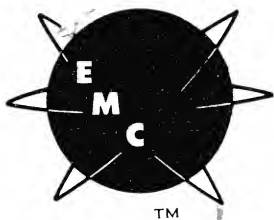
4274-85-0 = SHORT TEST JACK WITH COMMERCIAL
PLATING AND BLACK COLORED INSULATION

ELECTRONIC MOLDING CORPORATION

MANUFACTURER OF HIGH QUALITY MOLDED INSULATED TERMINALS

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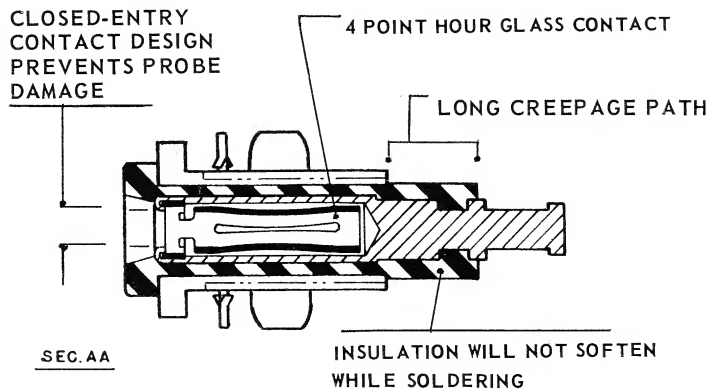
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HIGH RELIABILITY FEATURES:

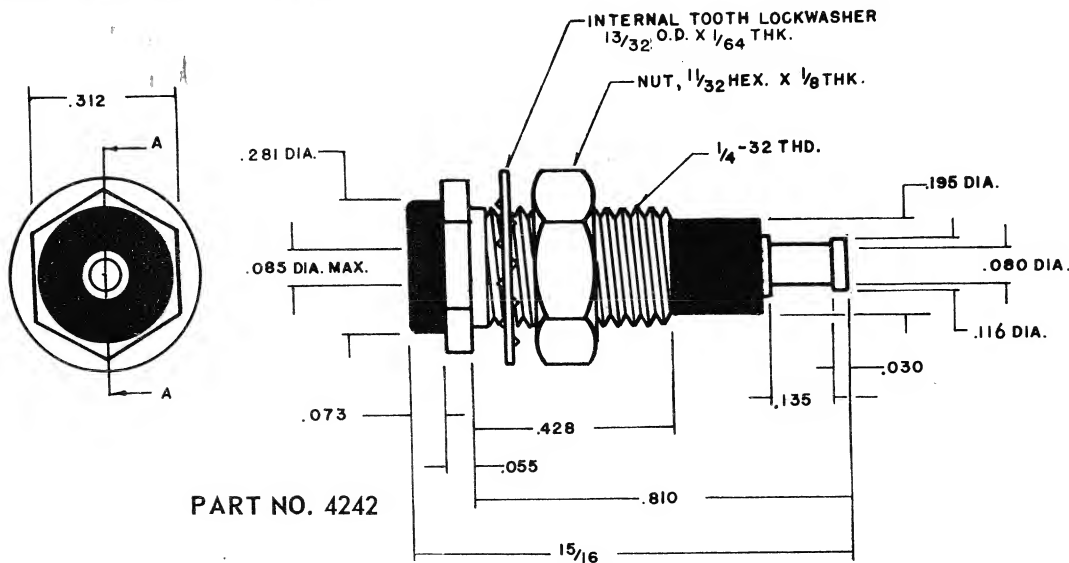
DESIGN AND QUALITY FEATURES

- Rugged Molded Construction assures high reliability
- A wide range of colors for coding
- High temperature Diallyl Phthalate (500°F)
- Closed entry feature guards against damaging contact with oversize test probe
- Short test jack NO. 4274 allows minimum space requirements
- Good resistance to shock and vibration
- Hour Glass type spring contact maintains a low millivolt drop after repeated insertions and withdrawals
- High temperature insulation allows long creepage path at solder terminal end of jack
- High temperature rigid insulation will not soften & flow at soldering temperature

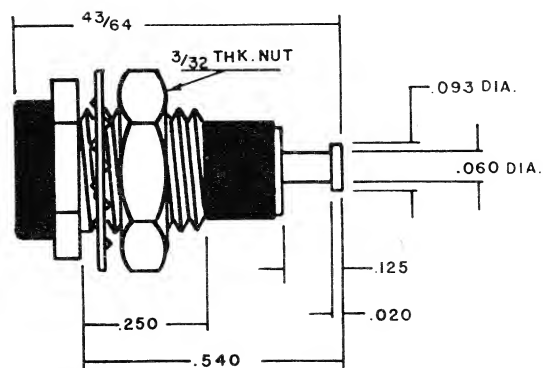


PATENT PENDING

PHYSICAL SPECIFICATIONS



PART NO. 4242

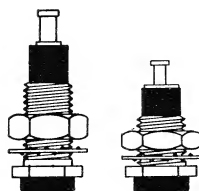


PART NO. 4274

ALL OTHER DIMENSIONS SAME AS PART 4242

MOUNTING PANEL 1/8" THK MAX.

TOLERANCES UNLESS OTHERWISE SPECIFIED
DECIMALS $\pm .010$ FRACTIONS $\pm 1/64$



ACTUAL SIZE





NEW!

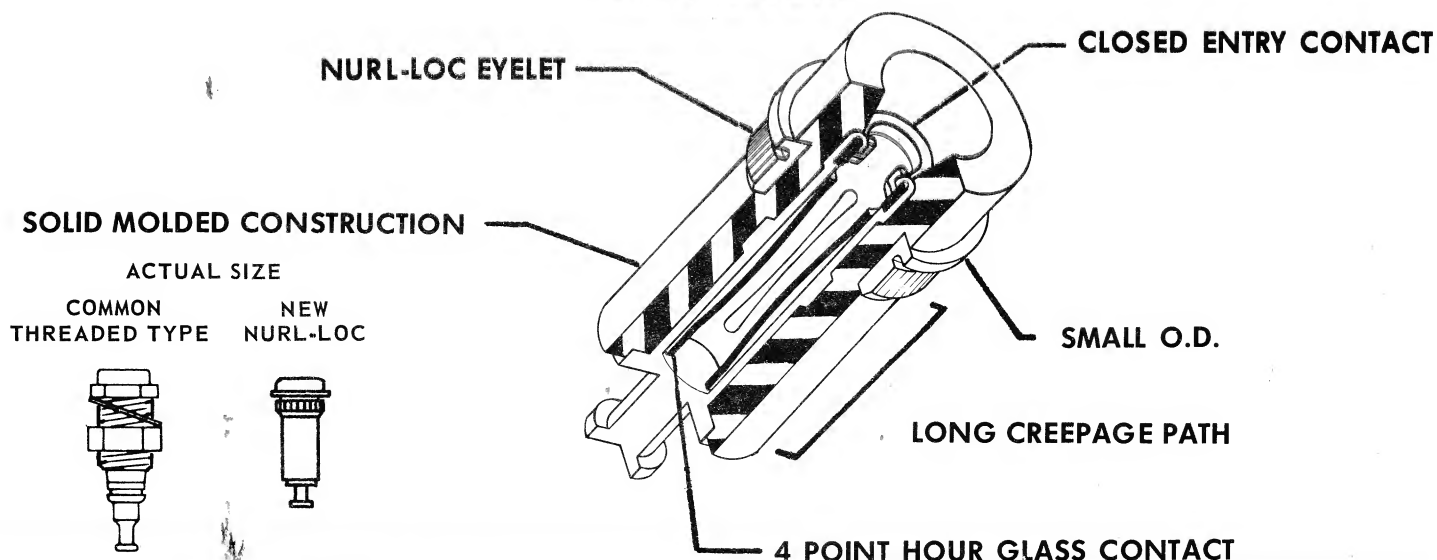
DATA SHEET D 4150

eem File System | Sec.
electronic engineers master 2100

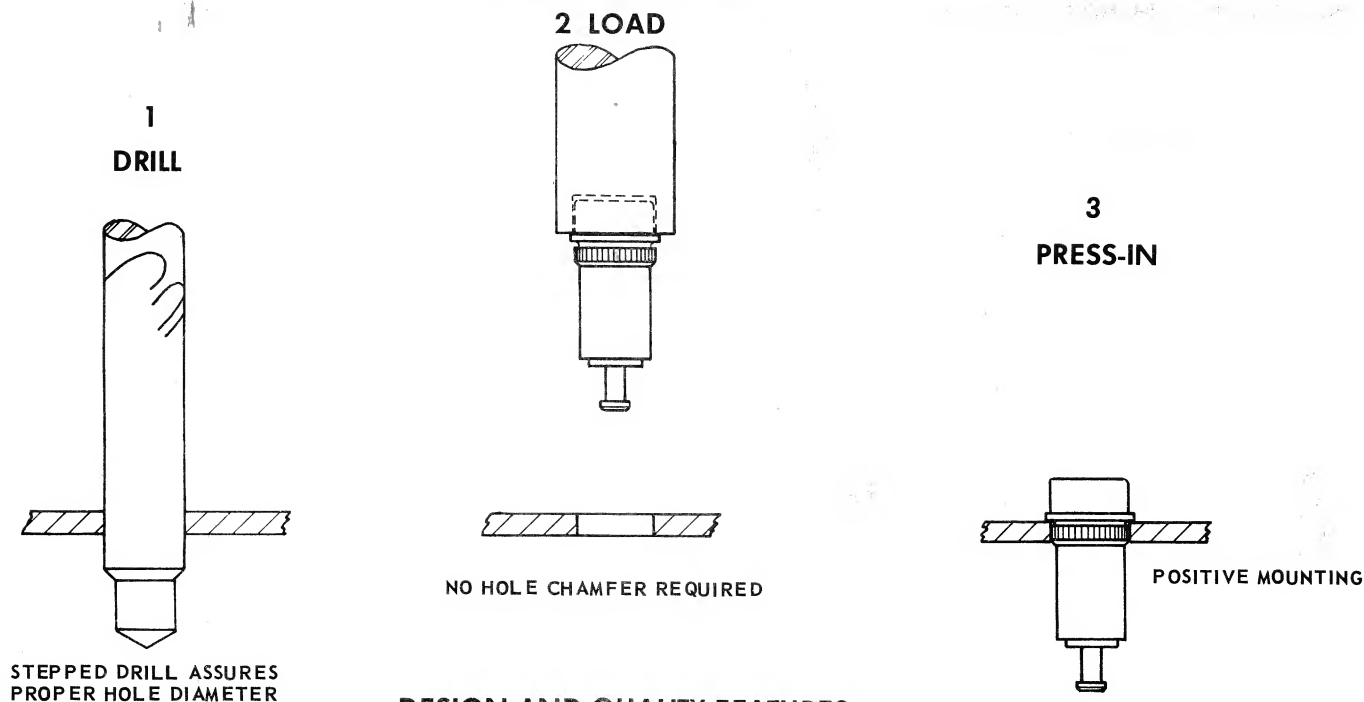
Nurl-Loc®

TEST JACK

PATENT PENDING



INSTALLATION



DESIGN AND QUALITY FEATURES

- New metal to metal press-in jack assures highest radial and axial pull forces
- A hole is drilled and terminal is pressed securely into position in one operation
- Closed entry feature guards against damaging contact with over size test probe
- Press-in feature eliminates awkward rear panel assembly
- Small O.D. and overall length allow minimum space requirement
- Rugged construction assures high reliability
- A wide range of colors for coding
- Molded high temperature Diallyl Phthalate

ELECTRONIC MOLDING CORPORATION • 40 CHURCH STREET, PAWTUCKET, R.I.

Phone No. (Area Code 401) 726-2100

SEE OUR SPECIFICATIONS IN
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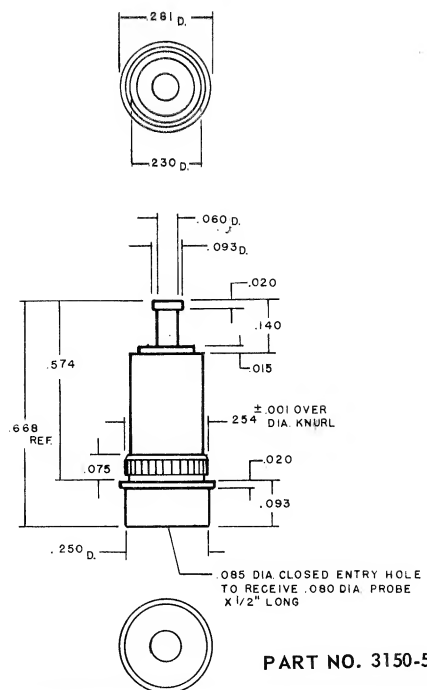
Nurl-Loc[®]

DATA SHEET
NO. D 4150

TEST JACK

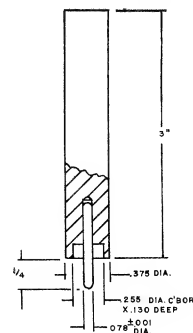
PHYSICAL SPECIFICATIONS

PATENT PENDING



PART NO. 3150-50

TOOLS



- MOUNTING TOOL NO. 4062
- STEPPED DRILL NO. 4115

SPECIFICATIONS AND MATERIALS

1. Recommended mounting hole dia. .250 dia. $\pm .001$
2. Solder terminal: Brass per QQ-B-626 electro-tin plated per MIL-T-10727, type I
3. Nurl-Loc eyelet: Brass QQ-B-626 nickel plated per QQ-N-290
4. Spring contact: Beryllium Copper gold plated .000020 over .0002 silver
5. Plastic Insulation: High temperature glass filled Diallyl Phthalate per MIL-M-14F type SDG Flame Retardent Self-Extinguishing
6. Electrical characteristics
 - A. Voltage breakdown with Jack mounted in panel and test probe inserted 3,000 volts RMS

ORDERING INFORMATION

STANDARD COLOR IS RED.
WHEN SPECIFYING THE DESIRED COLOR
MUST APPEAR AFTER THE SUFFIX

EXAMPLE

3150-50 RED
3150-50 BLACK

Available in all standard colors.

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